

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A light beam scanning apparatus, comprising:
an image processor configured to generate a plurality of control signals from image data so as to form a series of pixels along a ~~plurality of common scan lines~~ line, ~~each of said plurality of common scan lines corresponding to each of said plurality of control signals;~~
a plurality of modulators configured to modulate said plurality of control signals for said series of pixels along said ~~plurality of common scan lines~~ line,
each of said plurality of modulators having the same pixel clock time between successive pixels along ~~each of said common scan lines~~ line;
~~at least one laser driver~~ a plurality of laser drivers configured to generate a laser driver signal from said plurality of the modulated control signals; and
a light beam generating unit configured to generate a light beam being driven by said ~~at least one laser driver~~ plurality of laser drivers,
wherein each of said plurality of laser drivers is coupled to a corresponding one of said plurality of modulators so as to generate a laser driver signal from a corresponding modulated signal, and
wherein said plurality of laser drivers are electrically coupled to said light beam generating unit such that said light beam is driven by said laser driver signals.
2. (Previously Presented) The light beam scanning apparatus according to claim 1, wherein said plurality of modulators comprise pulse width modulators (PWMs).
3. (Currently Amended) The light beam scanning apparatus according to claim 1, wherein said plurality of modulators comprise a first modulator configured to output a first modulated signal for odd successive pixel image data on ~~one of said common scan lines~~ line and a second modulator configured to output a second modulated signal for even successive pixel image data on ~~another of said common scan lines~~ line.
4. (Original) The light beam scanning apparatus according to claim 3, wherein a center of even and odd pixels is aligned by said light beam generating unit.

5. (Currently Amended) A light beam scanning apparatus comprising:
a light beam generating unit configured to generate a light beam;
at least two modulators configured to modulate said light beam,
said at least two modulators ~~respectively~~ outputting a modulated signal including
image data for ~~at least two~~ a common scan lines line in a main scanning direction; and
at least one image processor configured to transfer said image data to said at least two
modulators, ~~said at least one image processor outputting at least two control signals~~
~~corresponding to said at least two common scan lines,~~

wherein said at least two modulators comprise a first modulator configured to output a
modulated signal for odd pixel image data and a second modulator configured to output a
modulated signal for even pixel image data,

wherein the first modulator is synchronized with a reference clock, and

wherein the second modulator is synchronized with a delayed reference clock.

6. (Original) The light beam scanning apparatus according to claim 3,
wherein the first modulator is synchronized with a reference clock, and
wherein the second modulator is synchronized with the reference clock.

7. (Canceled).

8. (Currently Amended) The light beam scanning apparatus according to claim
1, further comprising:

a combiner coupled to said plurality of modulators so as to receive the modulated
signals outputted by said plurality of modulators, said combiner outputting a combined
modulated signal; ~~and~~

[[a]] wherein said plurality of laser driver drivers are coupled to said combiner so as to
generate [[a]] said laser driver signal from said combined modulated signal.

9. (Original) The light beam scanning apparatus according to claim 8, wherein
said combiner comprises an OR gate circuit.

10. (Original) The light beam scanning apparatus according to claim 1, wherein
said light beam generating unit comprises a single laser.

11. (Original) An image forming device including the light beam scanning apparatus according to claim 1.

12. (Previously Presented) The image forming device according to claim 11, wherein the image forming device comprises one of a laser printer, a photocopier, a facsimile machine, or a combination thereof.

13. (Currently Amended) The light beam scanning apparatus according to claim 1, wherein ~~each of the plurality of~~ common scan lines line is a series of pixels along the main scanning direction of an object to be scanned.

14. – 19. (Canceled).

20. (Currently Amended) A method of scanning a ~~plurality of~~ common scan lines line in a main scanning directing with a light emitting device, comprising:

generating at least a first control signal and a second control signal for driving the light emitting device, said first control signal and said second control signal ~~respectively~~ being generated from image data for the first and second common scan lines line in the main scanning direction;

driving the light emitting device with the first control signal to scan the ~~first~~ common scan line in the main scanning direction;

driving the light emitting device with the second control signal to scan the ~~second~~ common scan line in the main scanning direction; and

synchronizing the second control signal with a delayed clock, the delayed clock being delayed with respect to the first control signal.

21. (Canceled).

22. (Canceled).

23. (Currently Amended) An image forming device, comprising:
means for emitting a light beam;

means for driving said means for emitting a light beam so as to scan successive pixels along ~~each of a plurality of common scan lines~~ line in a main scanning direction; and

means for modulating said light beam with a plurality of modulated signals including image data for each of the successive pixels along ~~each of the plurality of common scan lines~~ line in the main scanning direction,

wherein said means for driving comprises a plurality of laser drivers, each of said plurality of laser drivers generating a laser driver signal from a corresponding modulated signal, and

wherein the image forming device further comprises means for combining said laser driver signals.

24. (Canceled).

25. (Canceled).

26. (Currently Amended) The image forming device according to claim 23, wherein ~~each of the plurality of common scan lines~~ line is a series of pixels along the main scanning direction of an object to be scanned.

27. (New) The light beam scanning apparatus according to claim 1, wherein the plurality of control signals are generated by the image processor by parallel processing.